PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY						
To: DAVID BRADIN TO SANDRIGE & RICE PLICE	PCT					
WOMBLE CARLYLE SANDRIGE & RICE, PLLC P.O. BOX 7037	NOTIFICATION OF TRANSMITTAL OF					
ATLANTA, GA 30357 RECEIVED	THE INTERNATIONAL SEARCH REPORT					
"TOPIALD	OR THE DECLARATION					
JUN 0 1 2004	(PCT Rule 44.1)					
3011 0 1 2001	Date of Mailing 9 0 MAN 2004					
HOWREY-SV	Date of Mailing (day/month/year) 18 MAY 2004					
Applicant's or agent's file reference						
Applicant's or agent's the reference 41689.0003.7 OS 882.0101.00PC00	FOR FURTHER ACTION See paragraphs 1 and 4 below					
International application No.	International filing date					
PCT/US02/16213	(day/month/year) 22 May 2002 (22.05.2002)					
Applicant						
DUKE UNIVERSITY						
1. The applicant is hereby notified that the international sear	ch report has been established and is transmitted herewith.					
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla	aims of the international application (see Rule 46):					
When? The time limit for filing such amendments is	s normally two months from the date of transmittal of the					
international search report. Where? Directly to the International Bureau of WIPO						
1211 Geneva 20, Switzerland, Facsimile No	o.: (41-22) 740.14.35					
For more detailed instructions, see the notes on the a						
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.						
	tional fee(s) under Rule 40.2, the applicant is notified that:					
the protest together with the decision thereon has be	een transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the ap	pplicant will be notified as soon as a decision is made.					
4 Reminders	·					
4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.						
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.						
In respect of other designated Offices, the time limit of 30 mon	ths (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the Volume II, National Chapters and the WIPO Internet site.	applicable time limits, Office by Office, see the PCT Applicant's Guide,					
	~ .					
Name and mailing address of the ISA/US	Authorized officer					
Commissioner for Patents Box PCT	Phuong Huynh Januel Free					
Washington, D.C. 20231	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					
Facsimile No. (703)305-3230 Docket Departin	(See notes on accompanying shee					
Form PCT/ISA/220 (April 2002)						
Action Resp to Sea	rl Rpt due					
1 7 1 7 1 3 1						
Due Date						
W/Ext's						
Initials <u>@ 6/1/</u> 5	<u> </u>					

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 41689.0003.7	FOR FURTHER ACTION		cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5				
International application No. PCT/US02/16213	International filing date (day/month/year) 22 May 2002 (22.05.2002)		(Earliest) Priority Date (day/month/year)				
Applicant DUKE UNIVERSITY							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.							
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.							
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
contained in the international application in written form. filed together with the international application in computer readable form.							
furnished subsequently to t	his Authority in written form.						
furnished subsequently to t	his Authority in computer readable	form.					
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
the statement that the infor been furnished.	the statement that the information recorded in computer readable form is identical to the written sequence listing has						
2. Certain claims were found	Certain claims were found unsearchable (See Box I).						
3. Unity of invention is lack	ing (See Box II).						
4. With regard to the title,	mitted by the smalleast						
the text is approved as substitute that the text has been established.	d by this Authority to read as follo	ws:					
5. With regard to the abstract,							
the text is approved as sub	nitted by the applicant.						
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.							
6. The figure of the drawings to be published with the abstract is Figure No.							
as suggested by the applica	nt.		None of the figures				
because the applicant failed	l to suggest a figure.						
because this figure better c	haracterizes the invention.						

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT	PCT/US02/16213					
	<u> </u>					
Continuation of B. FIELDS SEARCHED Item 3: APS, MEDLINE, EMBASE, BIOSIS, SCISEARCH CAPLUS ON STN angiostain agonist, partial agonist, antagonist, antibody, humanized, chimeric, enzyme, peptide, oligonucleotide, cox2 inhibitor, ATP synthase, anti angiogenic therapy						
-						

Form PCT/ISA/210 (second sheet) (July 1998)

International application No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/16213

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 39/385, 395; G01N 33/53; C07H 21/02 US CL : 424/130.1, 133.1, 141.1, 181.1, 185.1; 193.1; 435/7.1; 536/23.1 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIEL	DS SEARCHED		·			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/130.1, 133.1, 141.1, 181.1, 185.1; 193.1; 435/7.1; 536/23.1						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a			Relevant to claim No.		
X	WO 99/59620 A1 (DUKE UNIVERSITY) 25 Nove document, abstract in particular.	ember 1999	9 (25.11.1999), see entire	1-8, 10-18, and 20-52		
X	US 6,201,104 B1 (MACDONALD) 13 March 2001 claims in particular.	(13.03.20	001) see entire document,	1-2, 4, 7, 8, 10-13, 17-23, and 27-32		
×	MOSER, et al. Endothelial Cell Surface F1-F0 Al and Is Inhibited by Angiostatin. Proc. Natl. Acad. pages 6656-6661, see entire document, especially A	1-8, 10-18, 20-30 and 48-52				
Y	US 6,380,253 B1 (DAS) 30 April 2002 (30.04.2002), see entire document.			1-2, 4, 8, 10-14, 17, 20-22, 27, and 29-30		
A	MOSER, et al. Angiostatin Binds ATP Synthase or Cells. Proc. Natl. Acad. Sci. March 1999, Vol. 90 particular.	1-8, 10-18, 20-26, 28- 30, and 48-52				
x	US 6,025,353 A (MASFERRER) 15 February 2002	2 (15.02.20	000), see entire document.	9 and 19		
	documents are listed in the continuation of Box C.		See patent family annex.			
"A" document	pecial categories of cited documents: defining the general state of the art which is not considered to be alar relevance	-T*	later document published after the inte date and not in conflict with the applic principle or theory underlying the inve	ation but cited to understand the		
"E" earlier ap	plication or patent published on or after the international filing date	*X*	document of particular relevance; the considered novel or cannot be consider when the document is taken alone	claimed invention cannot be red to involve an inventive step		
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is				
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art				
	published prior to the international filing date but later than the atte claimed	*&* document member of the same patent family				
Date of the a 23 July 2002	e actual completion of the international search Date of mailing of the international search report 18 MAY 2004					
	ailing address of the ISA/US	Authoriz	red officer	- 0.1		
Con Box	nmissioner of Patents and Trademarks PCT thington, D.C. 20231	Phuong Huynh Janece Lorel				
Facsimile No. (703)305-3230 Telephone No. ((571) 272-1600						
Form PCT/ISA/210 (second sheet) (July 1998)						